TOSHIBA

Colour TV

2512DS/2812DS

Welcome to the bright new world of Toshiba colour. Your new precision built colour television has been designed and engineered by one of the world's largest manufacturers of I.C.'s, transistors and diodes to give you an extremely reliable and natural performance.
Please read this manual and retain for future reference.

INSTALLATION

For Your Safety

This receiver must only be connected to a mains supply of 220v/240v 50Hz. Do NOT connect to a D.C. supply.

Where to Position Your Receiver

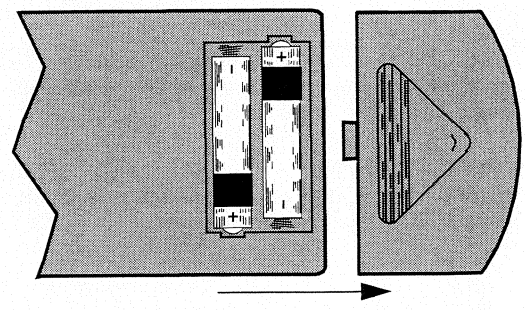
Choose a position where direct light from a lamp or window does not fall on the screen. Wherever possible out of the reach of young children.
Make sure that there is adequate air circulation through the vents on the rear cover of the receiver. Do not place the receiver close to curtains or in an enclosed shelf space.

Choosing an Aerial

Optimum reception of colour and teletext requires a good signal and will generally mean that a loft or outdoor aerial must be used. The exact type and siting will depend upon your particular area and your local aerial installers will be best to advise. Where signals permit, a set top aerial may be used by plugging into the aerial socket and rotating to obtain the best picture.

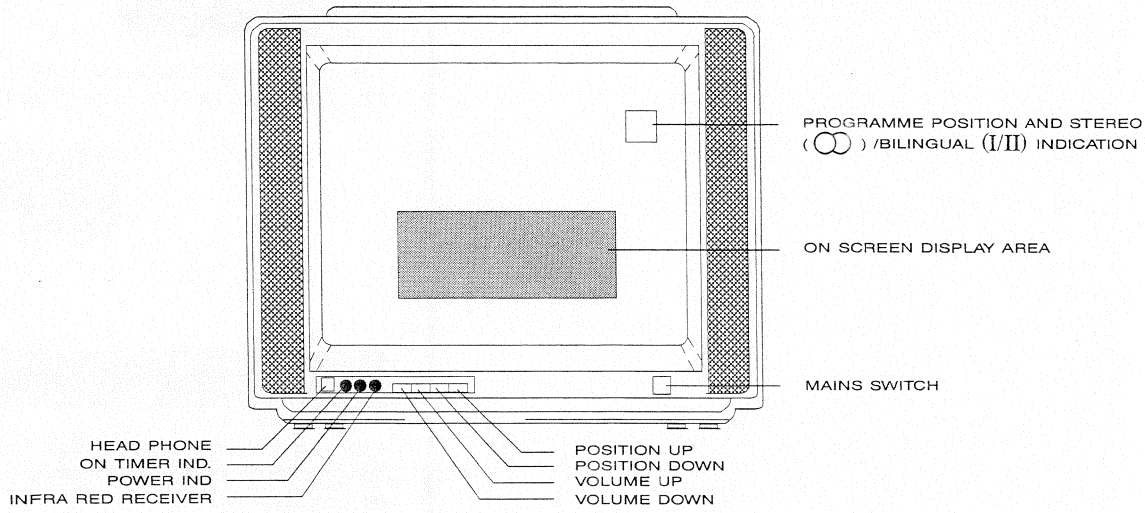
The Remote Control

Carefully release back cover catch and remove battery cover, insert 2 batteries, taking care to observe correct polarities.



Suitable battery types are: AAA, RO3U or SUM-4

YOUR SET CONTROLS



YOUR REMOTE CONTROLS

Operate the handset by pointing it towards the infra-red receiver on the set, using the following buttons:—

Coloured Prompt Buttons

RED GRN YEL BLU

Press buttons repeatedly to select on screen displays shown on the opposite page and described in the appropriate section. Each function can be altered when highlighted using the ▲◿▼ buttons.

Standby on/off (⏻)

Use standby to turn the set off for short periods of time.

Programme Selection (0-9)

Press the 0-9 buttons to directly select programme position.

Programme Selection (▼▲)

Hold ▲ or ▼ buttons to sequentially raise or lower the programme position. Programme number is briefly displayed.

Volume adjustment (▲◿▼)

Hold ▲◿▼ buttons to raise or lower the volume. Function and setting is briefly displayed.

Sound Mute ( )

Press once to mute the sound and again to return sound.

External Socket Selection ( )

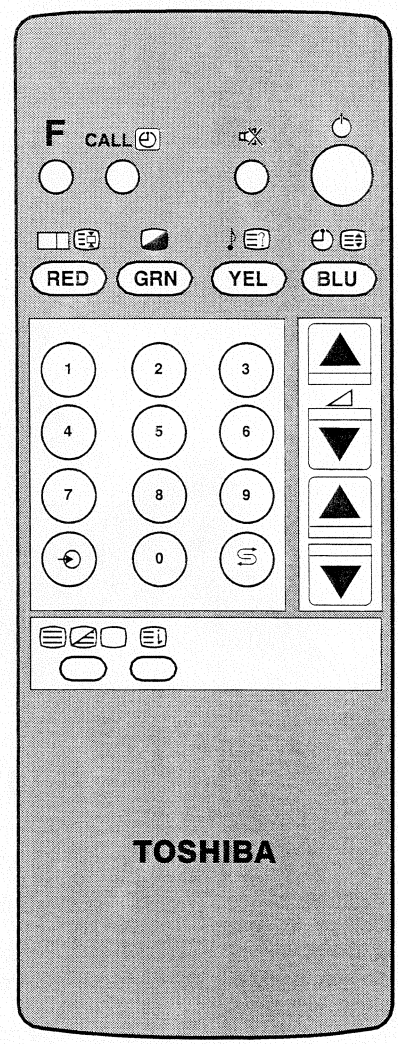
Press button repeatedly to receive from either of the rear sockets or the aerial socket (see page 7).

CALL

Press once to retain programme position number and I/II indication and again to cancel. (I/II indication will disappear after 4 seconds).

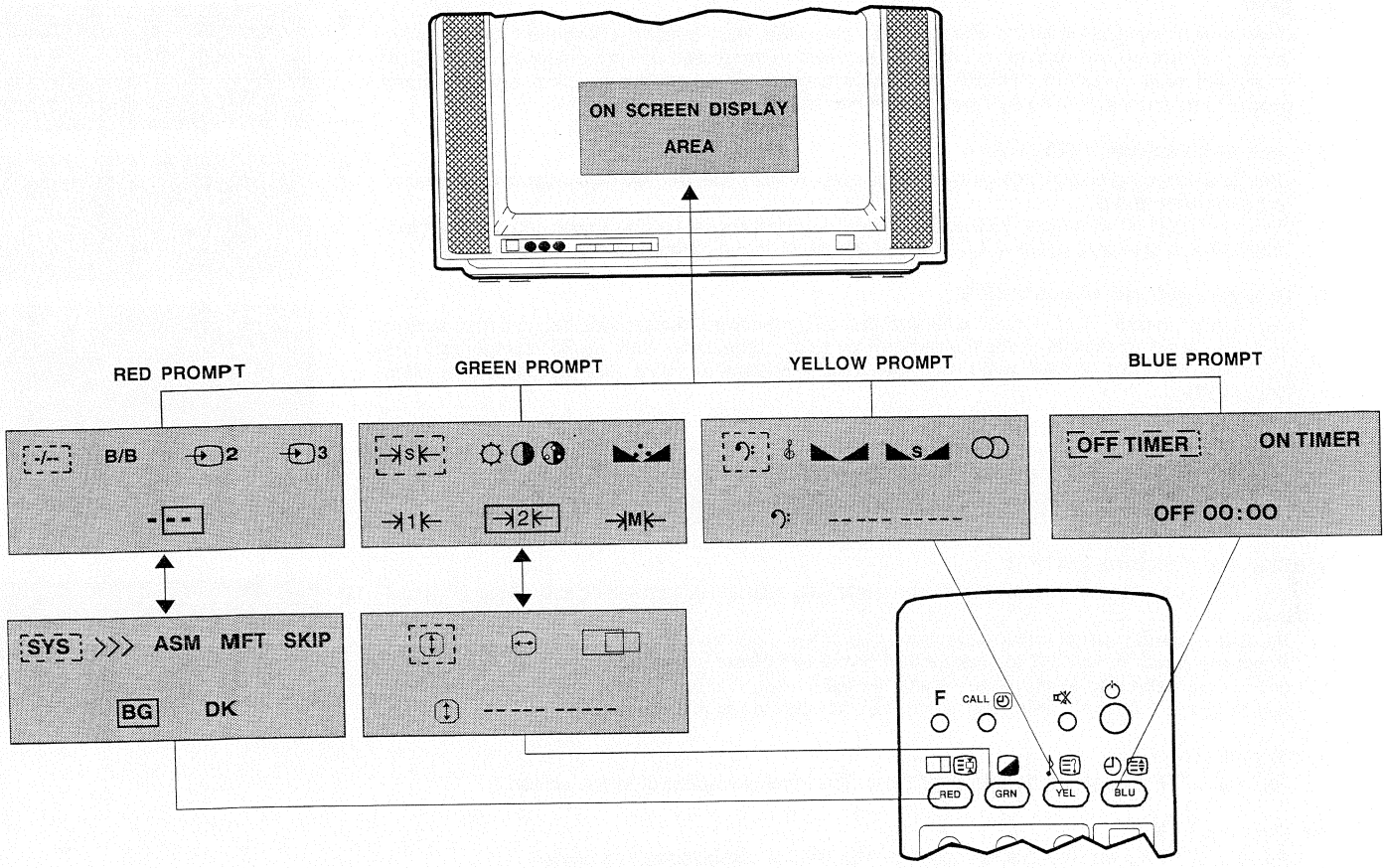
Time Displays ( )

Press F and CALL simultaneously to give an accurate time display which lasts for several seconds.



ADJUSTING YOUR SET

Note: On Screen Displays disappear after 6 seconds.



Tuning in (Red Prompt Button)

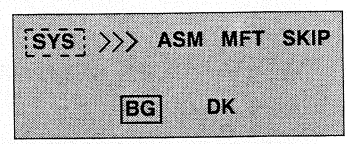
Connect your aerial to the socket at the rear of the set and insert the mains plug into a mains socket. Press the mains switch button and a red light will glow. If a picture does not appear after several seconds, press the ⏻ button on the remote control.

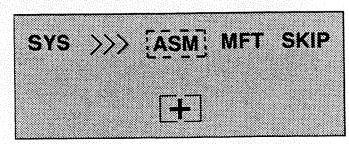
1. **Receiving system (SYS)**
   Using the handset, press the red prompt button repeatedly until SYS appears on the screen and is highlighted. Within 6 seconds (whilst SYS is highlighted) press the ▲◿▼ buttons to select the required receiving system (BG or DK).

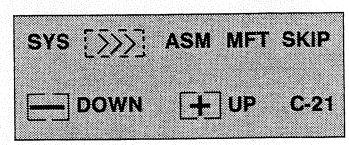
2. **Automatic Search and Memorise (ASM)**
   Using the handset, press button 1 and then the red prompt button repeatedly until ASM appears on the screen and is highlighted. Within 6 seconds (whilst ASM is present) press the ▲◿▼ button to start automatic search. The set will now search the entire frequency range storing the strongest signals in ascending order.

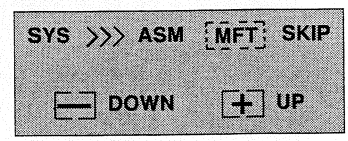
3. **Manual search/Auto memorise (>>>)**
   Used to place stations in specific programme positions. Using the handset, press button 1 and then the red prompt button until >>> appears on the screen and is highlighted. Whilst >>> is present, press the ▲◿▼ button. The set will now search until it finds a TV station. If this is not the required station, press the ▲◿▼ button again to continue search. If the programme number flashes then the end of the frequency range has been reached, press ▲◿▼ to restart. Alternatively, the station can be directly entered using the numbered buttons on the handset if the channel number is known. The station is memorised automatically when the display disappears. Repeat this process for each programme position to be used.

4. **Manual Fine Tune (MFT)**
   Only needed if good sound and picture are not obtained. Using the handset press the red prompt button repeatedly until MFT appears on the screen and is highlighted. Whilst MFT is present use the ▲◿▼ buttons to optimise the picture.

1


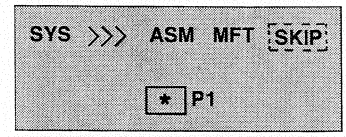
2


3


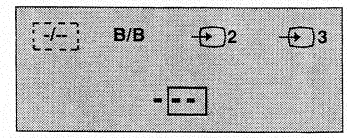
4


ADJUSTING YOUR SET

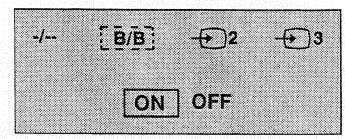
5. **SKIP**
Used to remove a programme position when using the ▼▲ buttons. Using the handset, press the red prompt button repeatedly until SKIP appears on the screen and is highlighted. Whilst SKIP is present press ▲◿▼ until the * symbol appears. To delete this function, select skipped programme position using numbers on the handset and repeat.

5


6. **Station Selection 0-9/0-99 (-/--)**
Used to select single digit programme positions (eg. programme 1) or two digit programme positions (eg. programme 11).
Press the red prompt button repeatedly until the -/-- symbol appears on the screen and is highlighted.
Whilst -/-- is present, press ▲◿▼ to select one or two digit programme positions.

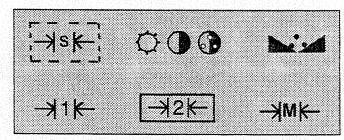
6


7. **Blue Background Function (B/B)**
When this function is on and there is no signal being received, the set switches to a blue screen and the sound is muted. Press the red prompt button repeatedly until the B/B symbol appears on the screen and is highlighted. Use the ▲◿▼ buttons to select blue background function ON or OFF.

7


Picture Adjustment (Green Prompt Button)

8. **Selectable picture (→|S|←)**
Your set has two preset picture settings and a manually adjusted picture setting to suit your individual taste.
Press the green prompt button repeatedly until →|S|← appears on the screen and is highlighted.
Press the ▲◿▼ buttons to select either of the two preset picture settings, (→|1|←, →|2|←), or the manually adjusted picture setting (→|M|←). The manual picture setting is adjusted by selecting the following, using the green prompt button to highlight the function:-

8


8. **Brightness (☼)**
Press ▲◿▼ to set the desired brightness. The level is displayed on the screen.

8. **Contrast (◑)**
Press ▲◿▼ to set the desired contrast. The level is displayed on the screen.

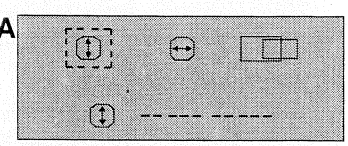
8. **Colour (◕)**
Press ▲◿▼ to set the desired colour. The level is displayed on the screen.

8. **Picture tint, NTSC signal only (◣◢)**
Press ▲◿▼ to select amount of tint required. The level is displayed on the screen.

8A. **Height (↕)**
Press ▲◿▼ to adjust picture height.

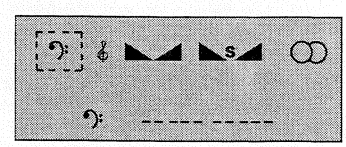
8A. **Width (↔)**
Press ▲◿▼ to adjust picture width.

8A. **Picture position (▭)**
Press ▲◿▼ to move picture either right or left on the screen.

8A


Sound Adjustment (Yellow Prompt Button)

Volume
Hold + or — buttons on the handset or T.V. to raise or lower the volume.
Press the yellow prompt button repeatedly until the desired function appears on the screen and is highlighted.

9


9. **Bass (𝄢)**
Press ▲◿▼ to increase or decrease bass. The level is displayed on the screen.

9. **Treble (𝄞)**
Press ▲◿▼ to increase or decrease treble. The level is displayed on the screen.

9. **Balance (◣◢)**
Press ▲◿▼ to set balance left or right. The level is displayed on the screen.

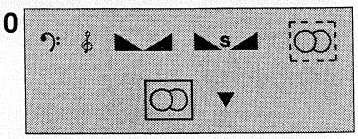
9. **Spatial sound (◣S◢)**
Press ▲◿▼ to switch spatial sound on (for enhanced sound) or off to suit personal taste.
(◣S◢) = spatial sound on (◣S◢) = spatial sound off.

ADJUSTING YOUR SET

10. Stereo (◯◯)

If the set is receiving a stereo signal the ◯◯ symbol appears on the display as shown. With the symbol highlighted use the ▲◿▼ buttons to select stereo (◯◯) or mono (▼).
Note: When the set first receives a stereo signal it automatically switches to stereo mode.

10

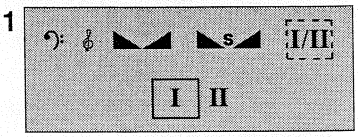


11. Bilingual (I/II)

If the set is receiving a bilingual signal the I/II symbol appears on the display as shown. With the I/II symbol highlighted use the ▲◿▼ buttons to select MAIN (I) or SUB (II).

Note: When the set is not receiving stereo or bilingual no symbol is displayed after the spatial symbol.

11

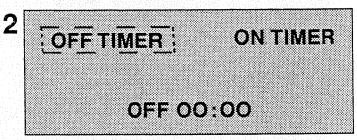


Timer (Blue Prompt Button)

12. Off Timer

Press the blue prompt button until OFF TIMER appears on the screen and is highlighted. Use the numbered buttons on the handset to programme the time to switch off. For example if you require the set to switch off in 20 minutes time, press 0020. The timer is set when the display disappears and in 20 minutes the T.V. will switch to standby mode. Press ⏻ to switch the set on again.

12

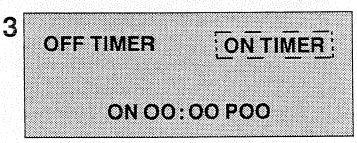


13. On Timer

Press the blue prompt button until ON TIMER is highlighted. Use the numbered buttons on the handset to programme the time and programme position to switch on. For example switch on to programme position 1 in 20 minutes time, press 0020 01. The green On Timer indicator on the T.V. will light to show that the timer is set. With the T.V. in standby mode, in 20 minutes time it will switch on to programme position 1.

Note: Maximum time is 12 hrs 59 mins. Press 000000 to reset.

13



VIEWING TEXT

Standard Text Basic Operation

To Display a Text Page

1. Select a T.V. station for the required teletext service.
2. Press the button repeatedly to select the text, text/T.V or T.V.
3. Enter the required 3 digit page number or press for the index page.
4. Return to T.V. mode by pressing repeatedly.

To Enlarge Text Display

Press F and the blue prompt button ( ) repeatedly to enlarge the top and bottom halves of text and revert to normal.

To Hold a Wanted Page

When a page is divided into sub pages and it is required to hold a sub page, press F and the red prompt button ( ) simultaneously. Press again to release. A held page is indicated by the word STOP In the top left hand corner of the screen.

To Reveal Concealed Text

Press F and the yellow prompt button ( ) simultaneously.

To View Previous Page

Press to view the previous page selected, press again to return to the current page selected.

Page Up/Page Down

To view the next page up or down, press either ▲ or ▼ buttons on the remote.

Picture adjustment

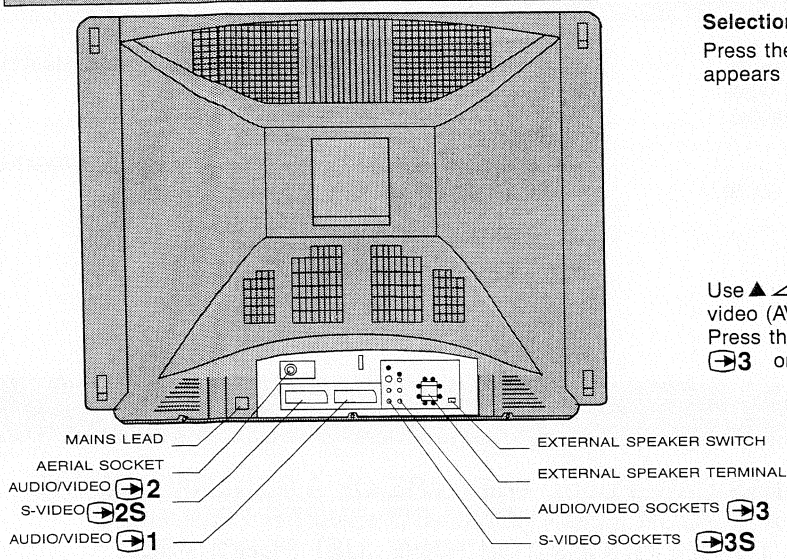
If you wish to adjust the colour, contrast or brightness, press F and the green prompt button.
Note: This will also change the picture setting when reverting to a normal picture.

Rotate List Initial

Use this function to memorise a list of 4 text page numbers and an initial page when text is selected. (0-9 programme position only).

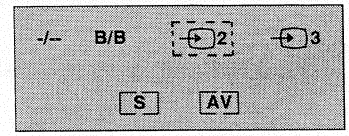
1. When in text mode ROTATE LIST INITIAL will appear at the bottom of the screen.
2. Press the green prompt to select LIST, a purple page number will appear in the bottom right hand corner of the screen.
3. Enter a 3 digit page number and press the green prompt button again to enter next number. After all 4 page numbers are memorised wait a few seconds for the number to turn white.
4. Press the red prompt button to change between memorised numbers.
5. To select an inital page, press the yellow prompt button and the top page number will change to P*** in purple.
6. Enter desired page number and wait until it turns white again. Initial page is now memorised.

CONNECTING OTHER EQUIPMENT



Selection of external sockets.

Press the red prompt button repeatedly until either ➔2 or ➔3 appears on the screen and is highlighted.



Use ▲◿▼ buttons to set the sockets to receive either S-video (S) or video (AV).

Press the ➔ button repeatedly to select socket ➔1 ➔2, ➔3 or aerial.

Eg. If you have a standard video with a 21 pin socket and wish to connect it to socket 2 on the T.V. then press the red prompt button repeatedly until ➔2 is highlighted. Press ▲◿▼ to highlight AV.

Press play on your video. If the set does not switch automatically to video, press ➔ until ➔2 appears on the top of the screen.

Press ➔ repeatedly until no symbol is present to view from the aerial.

Socket	Socket Type	Function	Screen Symbol	Select with Red prompt using ▲◿▼	
Aerial	75 Ohms co-axial	Normal T.V. reception. Accessory can take priority when connected to 21 pin sockets 1 or 2, provided with a 12V switching voltage on pin 8.	—	—	—
Audio/Video in 1	21 pin Scart socket	Direct Audio/Video input/output - RGB function	➔1	—	—
Audio/Video in 2	21 pin Scart socket	Direct Audio/Video input/output Direct input from S-Video	➔2 ➔2S	➔2 ➔2	AV S
Audio/Video in 3	Phono Special S Video	Direct Audio/Video connection Connection from special S-Video connector	➔3 ➔3S	➔3 ➔3	AV S
External loudspeakers connection	bare wire connector	Connection for external loudspeakers - 4 ohm 10 watt minimum (External or internal selections made with external speaker switch)	—	—	—
Headphone	3.5mm Jack	Output for stereo headphones	—	—	—

SPECIFICATIONS

Television system & channel coverage:	BG, Pal, Secam VHF: 2-4, 5-12, S1-S20, S21-S41 UHF: 21-69 D/K, Pal, Secam VHF: 1-12, UHF 21-69 Pal Secam 50/60 Hz (Video disk) 4.43NTSC/3.58 NTSC (VTR)
Picture Tube:	59 cm 110 degree deflection (2512) 66 cm 110 degree deflection (2812)
Sound Output:	10W + 10W at 10% distortion
Dimensions:	734mm Wide, 513mm High, 455mm Deep (2512) 814mm Wide, 557mm High, 487mm Deep (2812)
Supplied accessories:	1 remote control, 2 batteries
Weight:	27.3kg (2512) 39kg (2812)
Power Consumption	140W (2512) 143W (2812)

A SELF HELP GUIDE FOR SIMPLE PROBLEM SOLVING

No Picture or Sound
Check mains switches are on, press ⏻ . Plug into a known working mains socket. "Timer off" facility has operated. (After approximately 15 mins with no signal the set switches to standby).

Poor or no Picture
Try a different TV station, check your aerial and connections. Adjust fine tuning.

Double Images/Ghosting/Garbled Text
Check your aerial, a more directional type might be needed for your area. Adjust fine tuning.

Good Picture but no Sound
Press ◿ +, press 🔇 . External Main speaker switch is in the EXT position.

Blue Screen
Set senses no signal condition, check aerial connection, switch to a transmitting signal (if set is in this mode).

Patches of colouration
Switch off at mains for 15 mins.

SOME DO'S AND DON'TS ON THE SAFE USE OF EQUIPMENT

PLEASE READ THE FOLLOWING POINTS CAREFULLY. THEY ARE OF A GENERAL NATURE, INTENDED TO HELP YOU WITH ALL YOUR ELECTRONIC CONSUMER PRODUCTS. SOME ITEMS MAY NOT APPLY TO THE GOODS YOU HAVE JUST PURCHASED.

This equipment has been designed and manufactured to meet international safety standards but, like any electrical equipment, care must be taken if you are to obtain the best results and safety is to be assured.

DO read the operating instructions before you attempt to use the equipment.

DO ensure that all electrical connections including the mains plug, extension leads and inter connections between pieces of equipment are properly made and in accordance with the manufacturer's instructions. Switch off and withdraw the mains plug when making or changing connections.

DO consult your dealer if you are ever in doubt about the installation, operation or safety of your equipment.

DO be careful with glass panels or doors on equipment.

DON'T continue to operate the equipment if you are in any doubt about it working normally, or it is damaged in any way — switch off, withdraw the mains plug and consult your dealer.

DON'T remove any fixed cover as this may expose dangerous voltages.

DON'T leave equipment switched on when it is unattended unless it is specifically stated that it is designed for unattended operation or has a standby mode. Switch off using the switch on the equipment and make sure your family know how to do this. Special arrangements may need to be made for infirm or handicapped people.

DON'T use equipment such as personal stereos or radios so that you are distracted from the requirements of traffic safety. It is illegal to watch television whilst driving.

DON'T listen to headphones at high volume, as such use can permanently damage your hearing.

DON'T obstruct the ventilation of the equipment for example with curtains or soft furnishings. Overheating will cause damage and shorten the life of the equipment.

DON'T use makeshift stands and NEVER fix legs with wood screws — to ensure complete safety always fit the manufacturer's approved stand or legs with the fixing provided according to the instructions.

DON'T allow electrical equipment to be exposed to rain or moisture.

ABOVE ALL

— NEVER let anyone, especially children, push anything into holes, slots or any other openings in the case - this could result in a fatal electric shock.

— NEVER guess or take chances with electrical equipment of any kind — it is better to be safe than sorry!

Note: This set may be cleaned with a slightly dampened cloth after disconnecting from the mains.
NEVER use solvents as they may damage the case.

TOSHIBA CONSUMER PRODUCTS (U.K.) LIMITED
NORTHOLT AVENUE, ERNESETTLE, PLYMOUTH, DEVON PL5 2TS

Specification is subject to change without notice.

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